

FIG. 1 is a schematic diagram of a spiral-shaped antenna system 100. The system is mounted on a substrate 106. It features a spiral-shaped antenna 110 with an outer edge 114 and an inner edge 128. A feed line 112 connects the spiral to a feed point 108. A vertical strip 126 is also shown. A coordinate system with X and Y axes is indicated in the top left corner.

FIG.1B

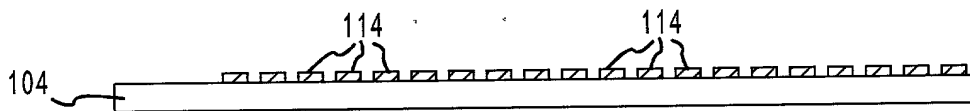


FIG. 2A

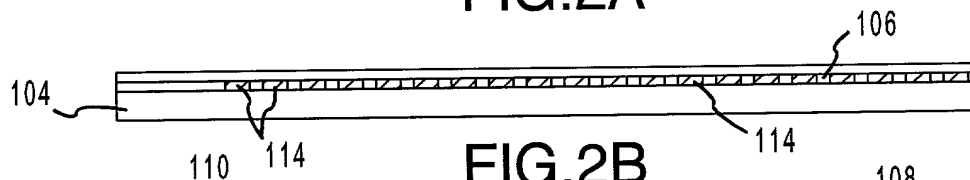


FIG. 2B

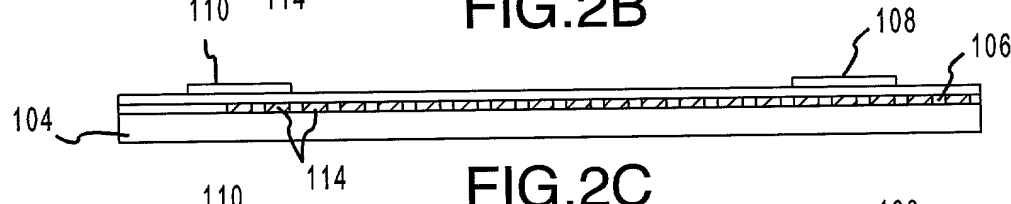


FIG. 2C

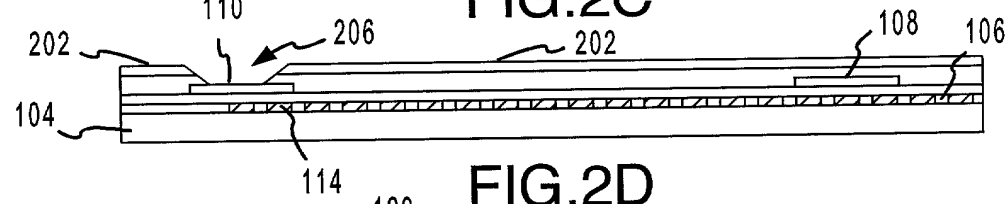


FIG. 2D

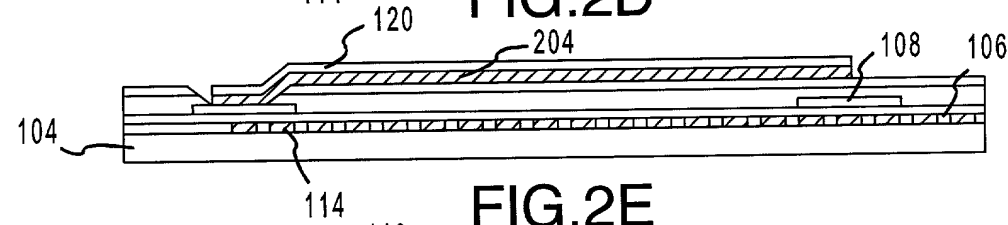


FIG. 2E

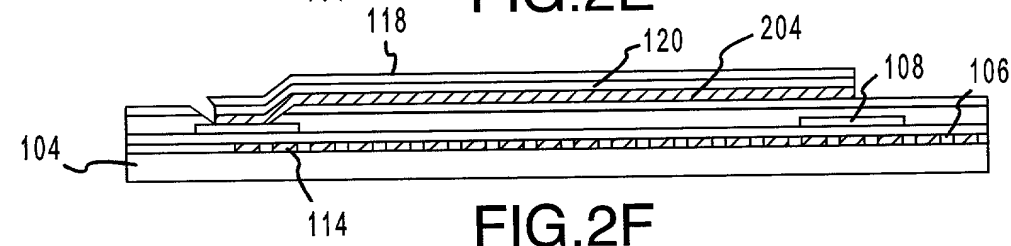


FIG. 2F

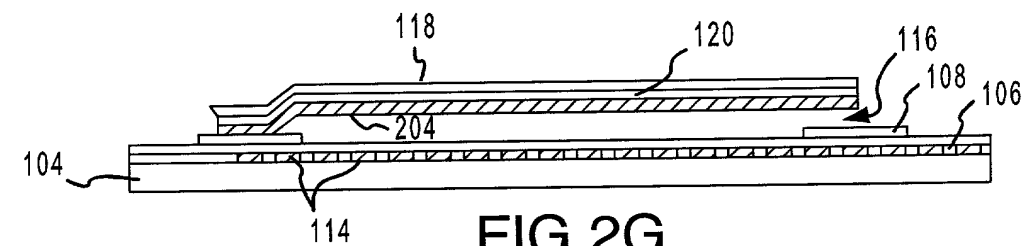


FIG. 2G

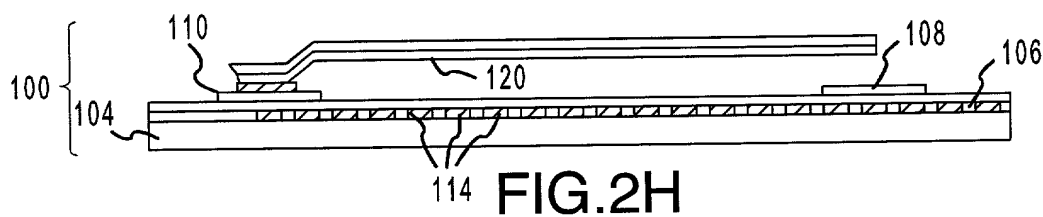


FIG. 2H

FIG. 3A

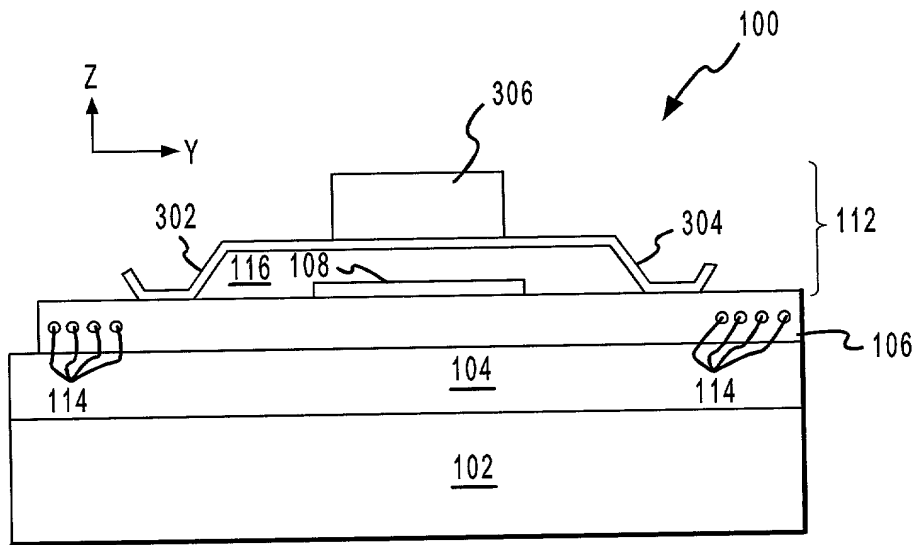


FIG. 3A

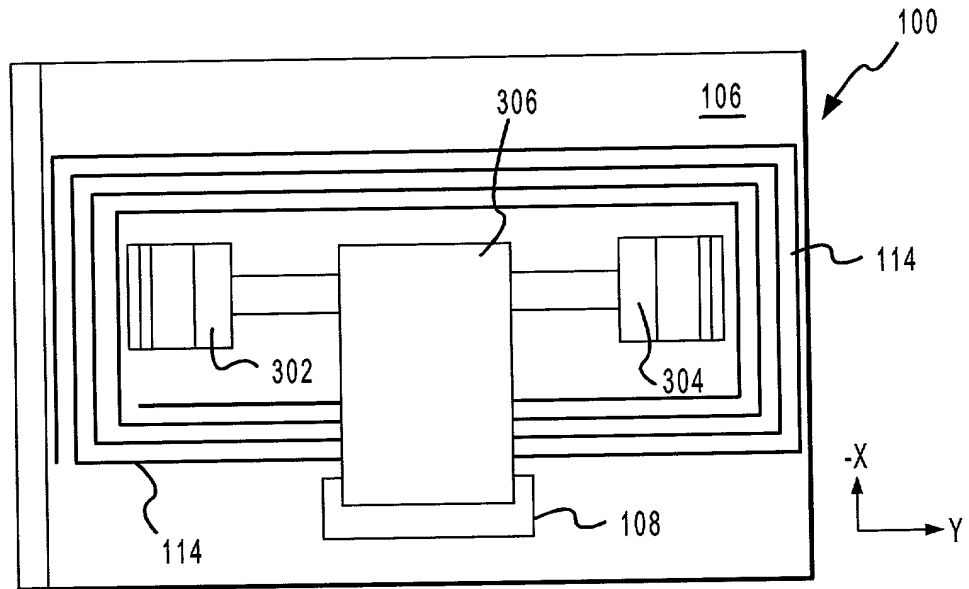


FIG. 3B

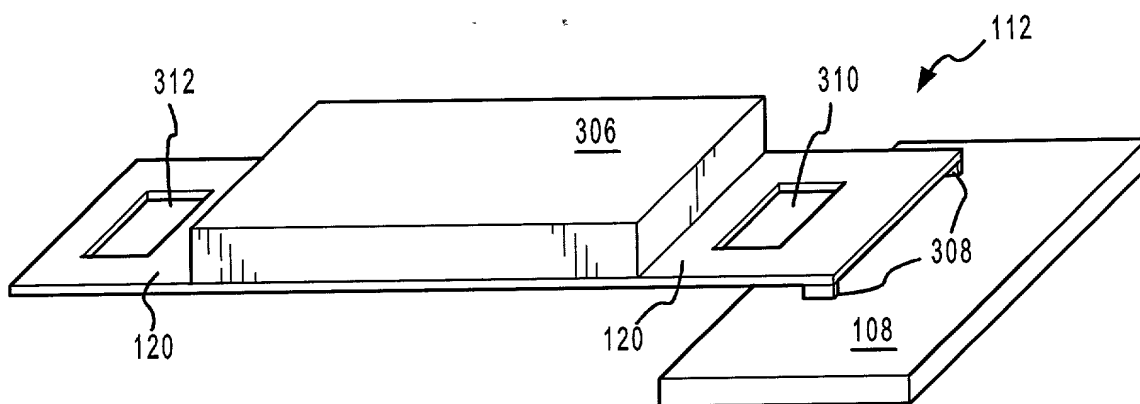


FIG. 3C

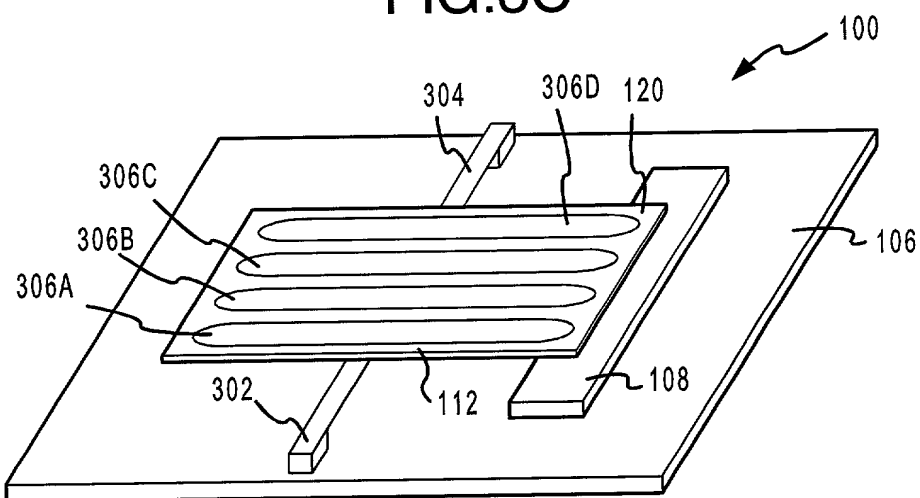


FIG. 3D

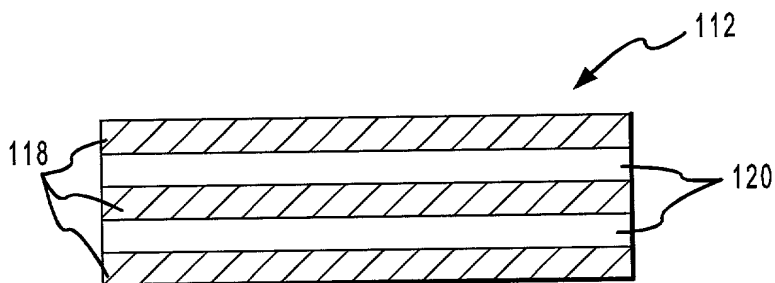


FIG. 3E

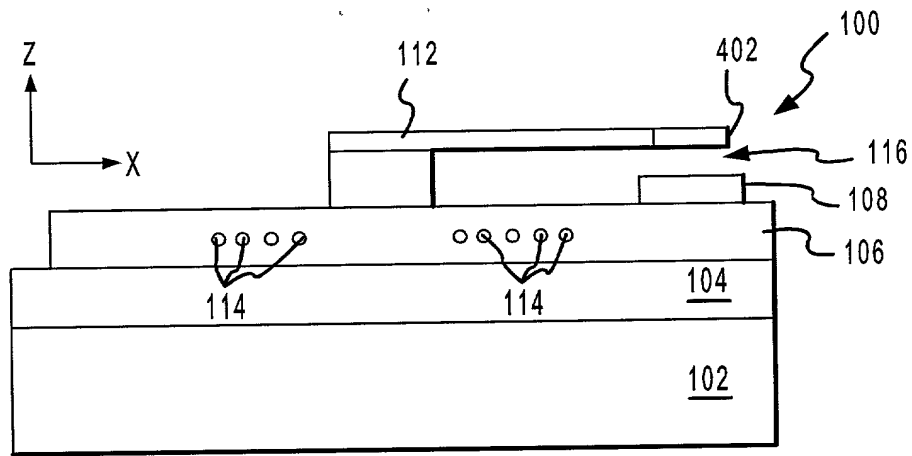


FIG. 4A

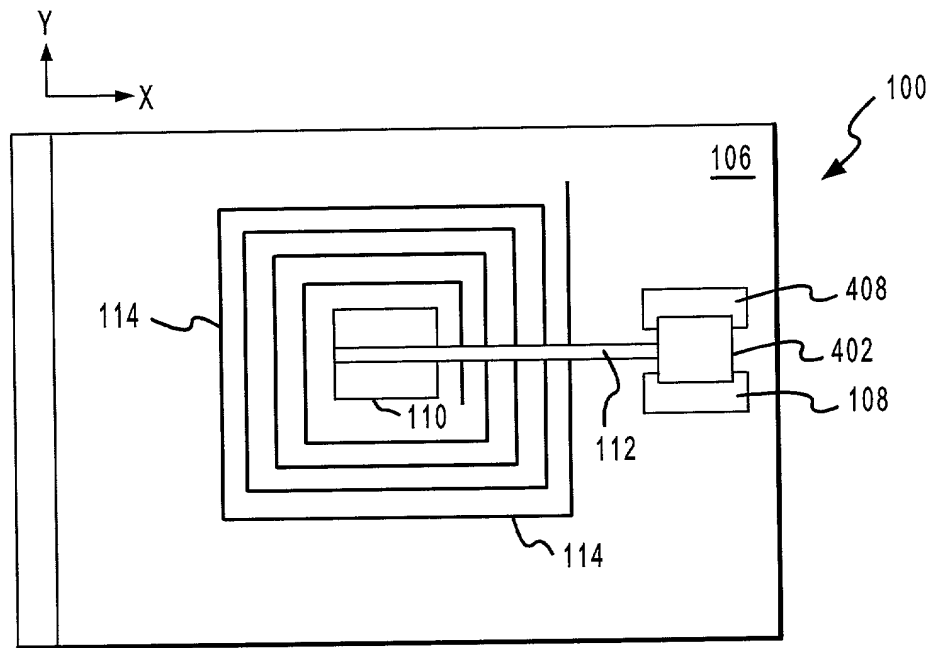


FIG. 4B

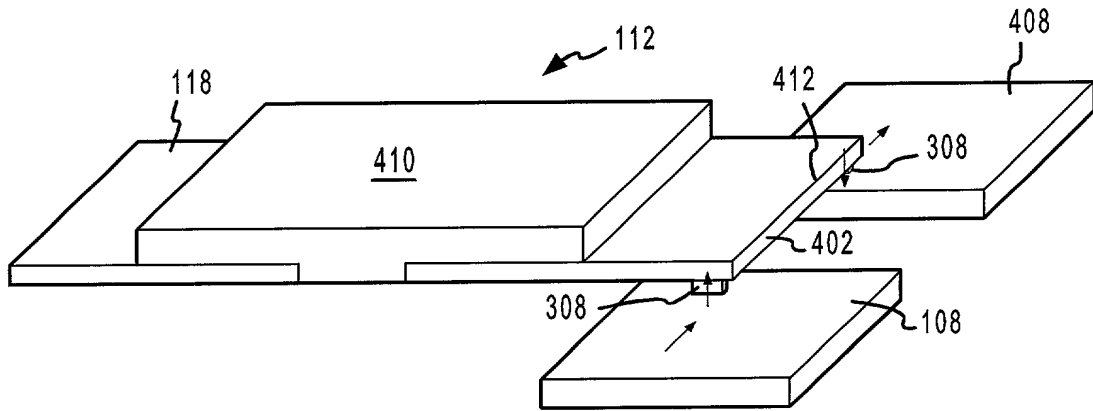


FIG.4C

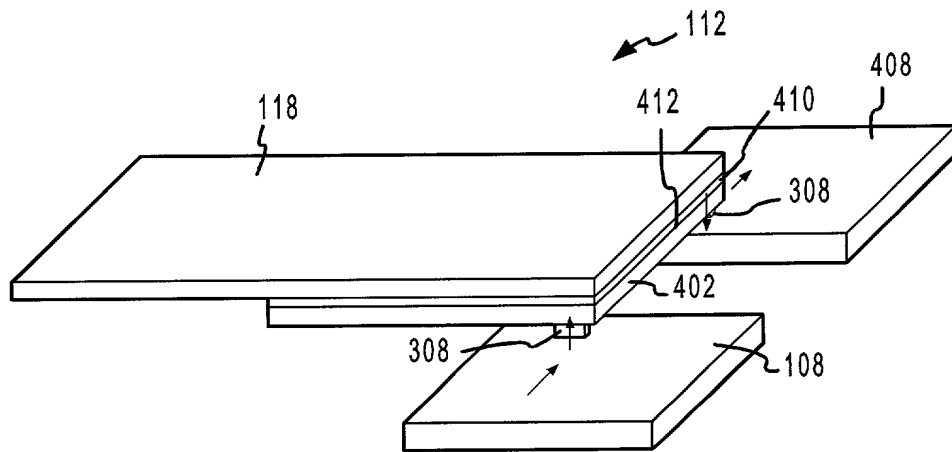


FIG.4D

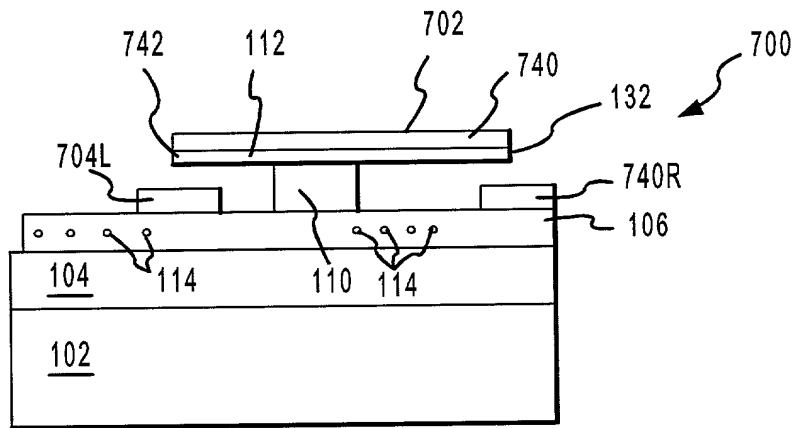


FIG.7A

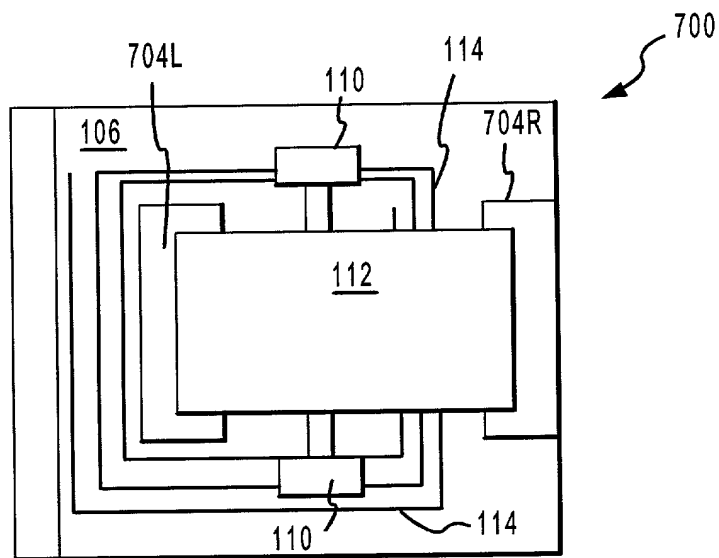


FIG.7B

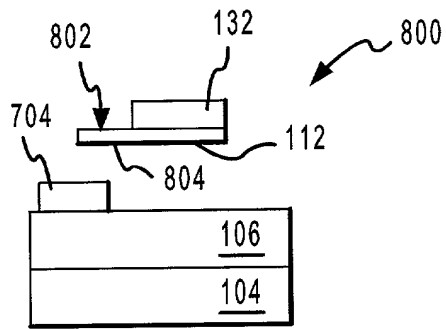


FIG. 8A

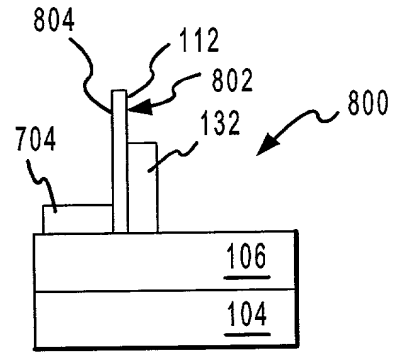


FIG. 8C

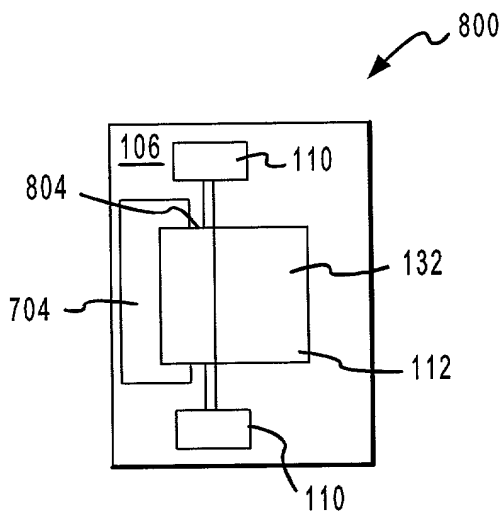


FIG. 8B

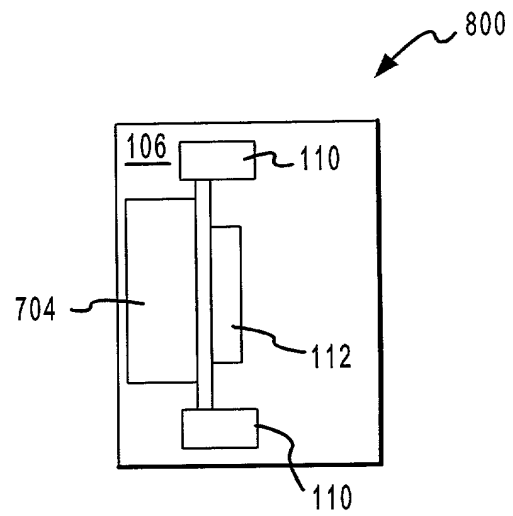


FIG. 8D

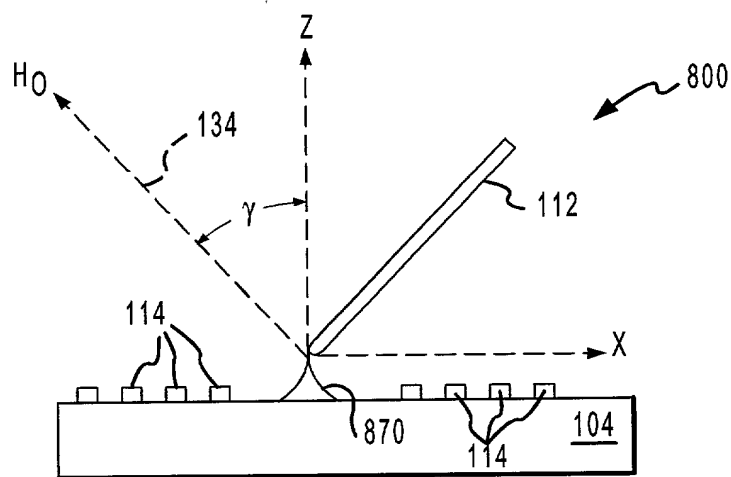


FIG. 8E

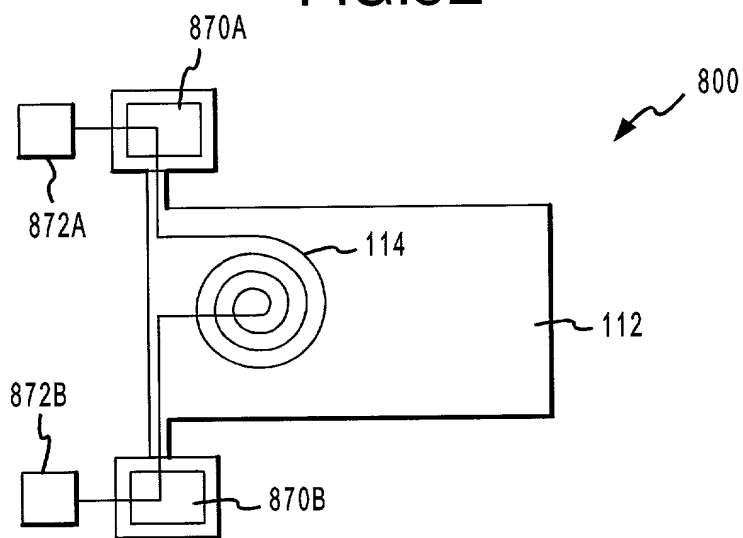


FIG. 8F

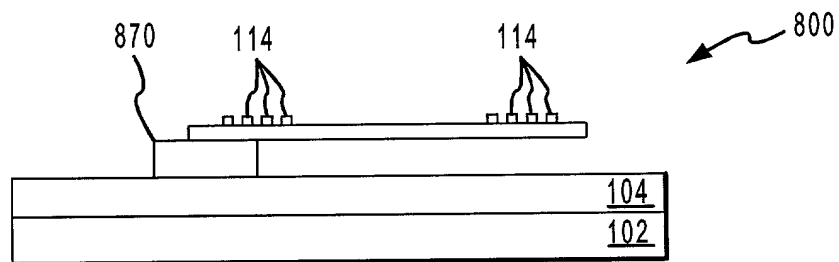


FIG. 8G

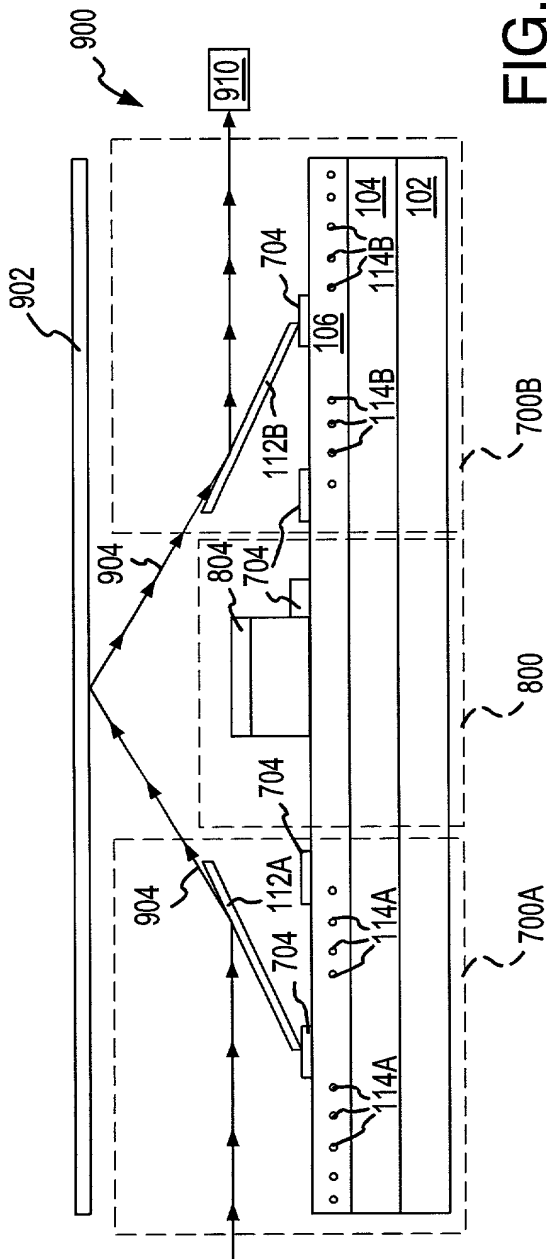


FIG. 9A

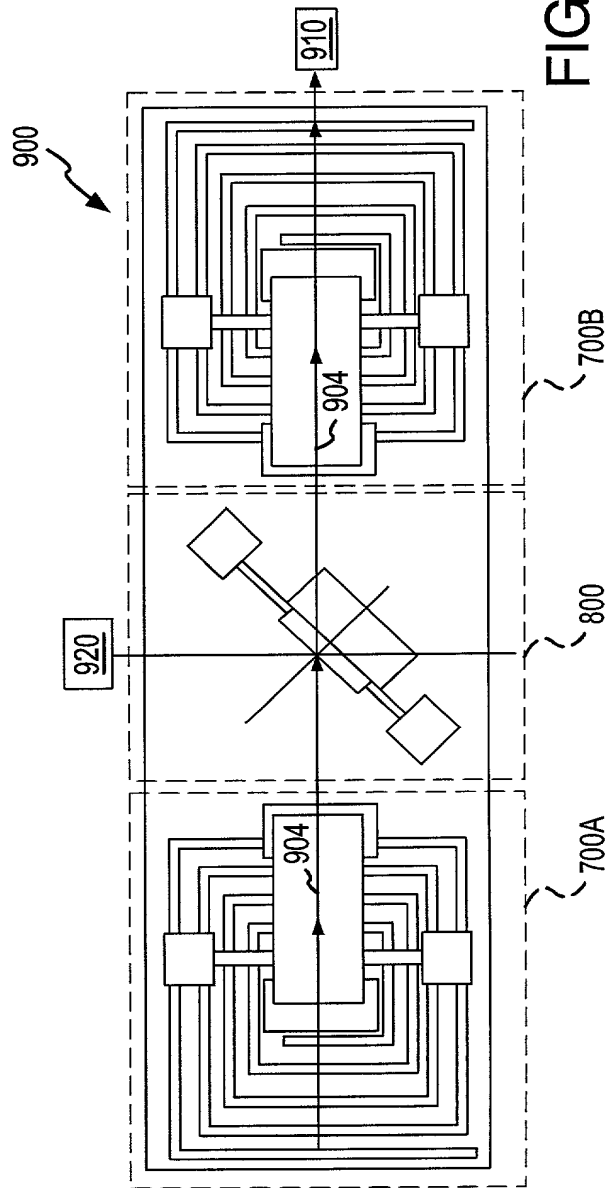


FIG. 9B

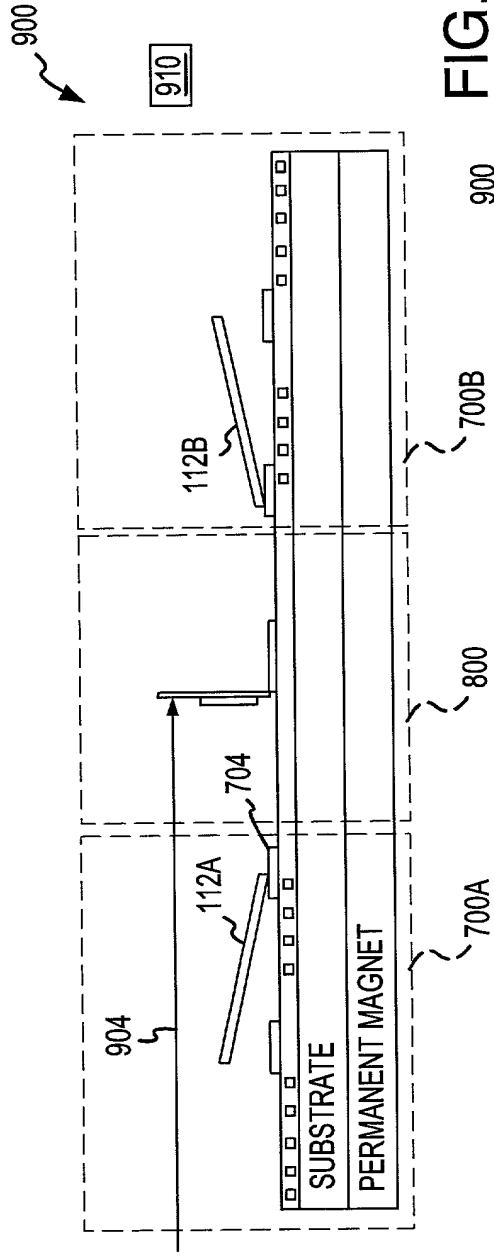


FIG. 10A

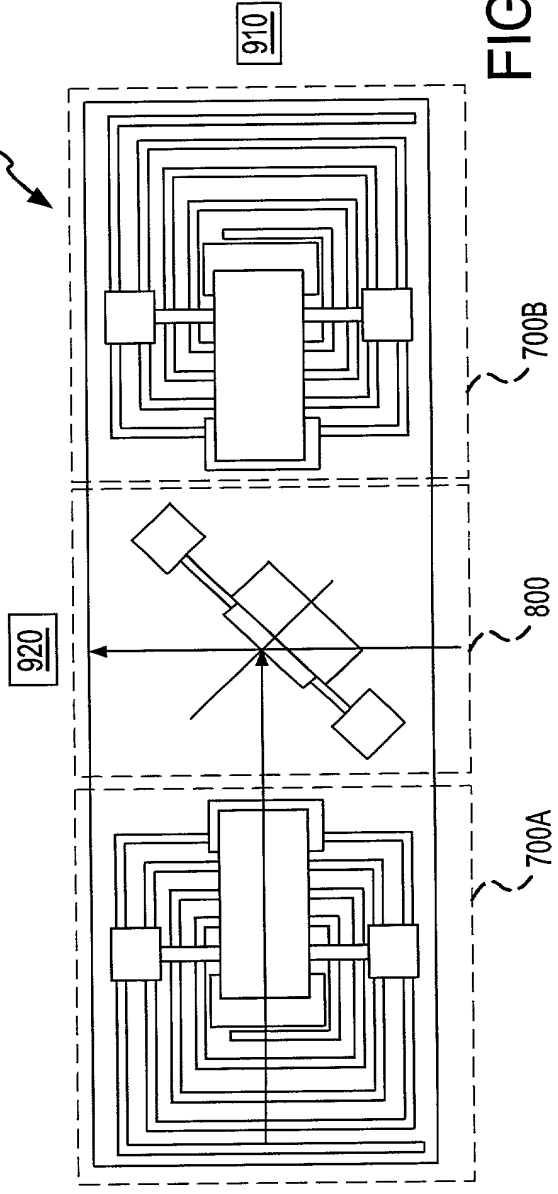


FIG. 10B

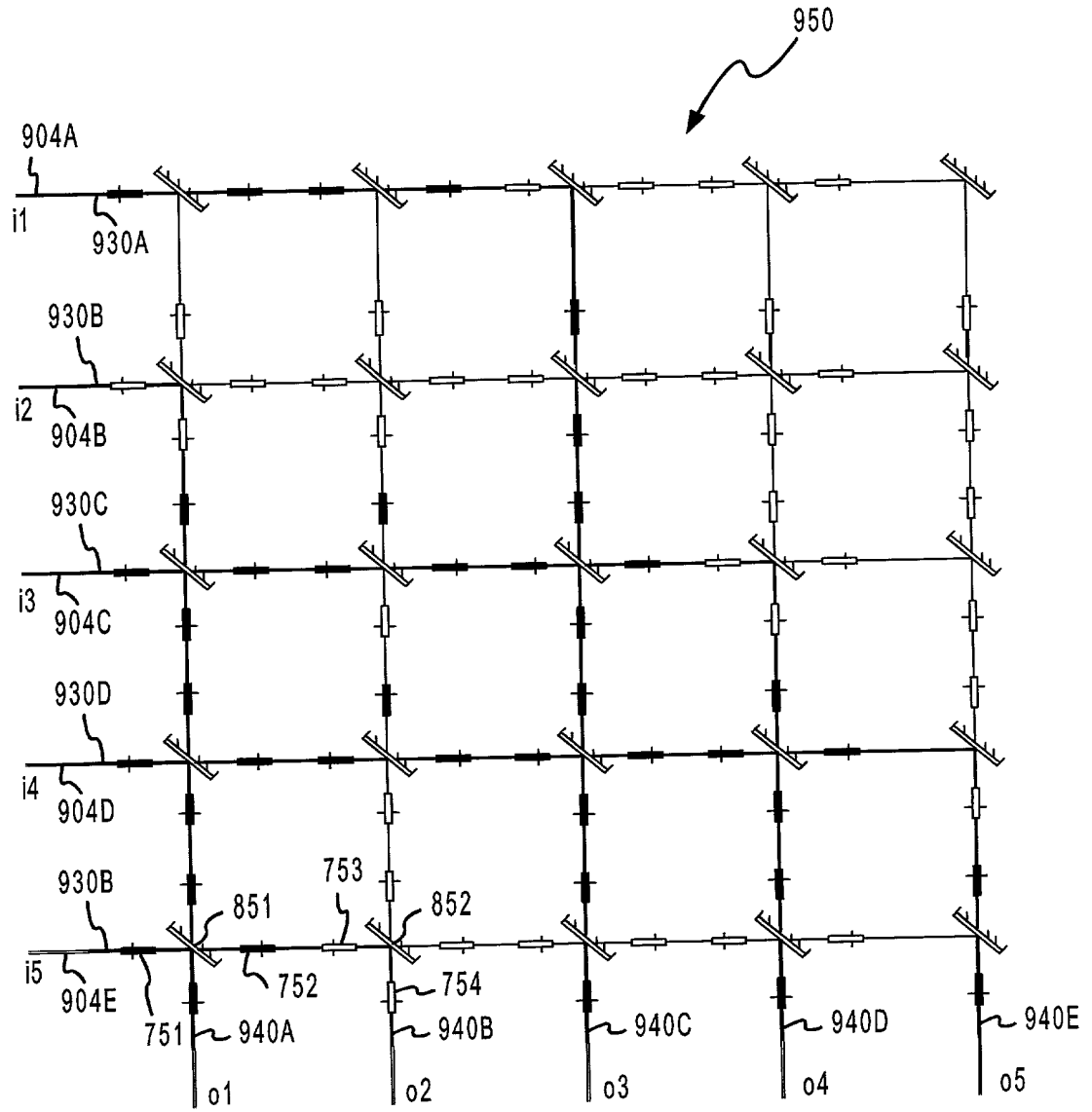


FIG.11

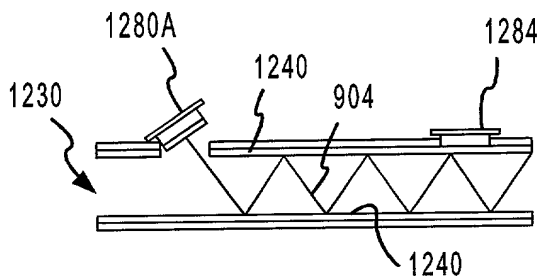


FIG.12B

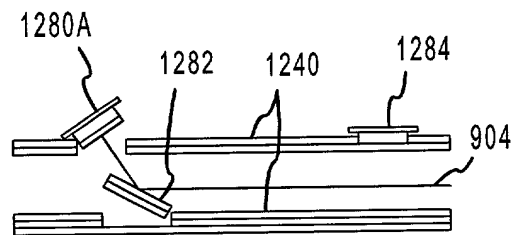


FIG.12C

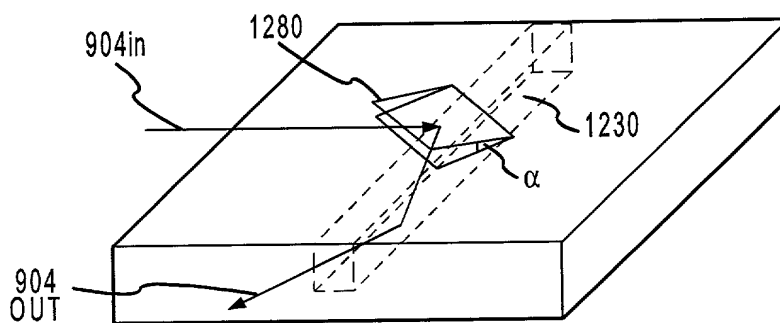


FIG.13

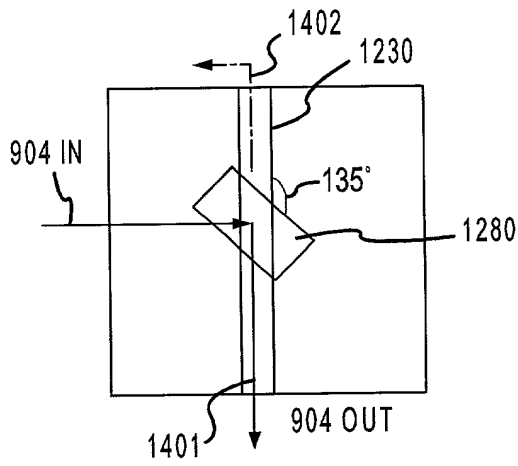


FIG. 14A

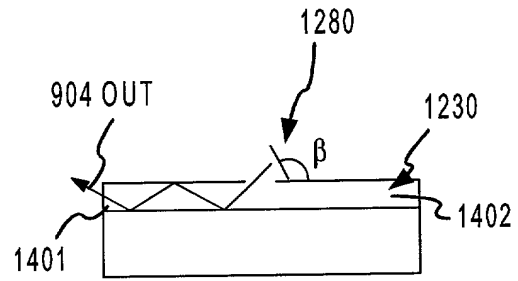


FIG. 14B

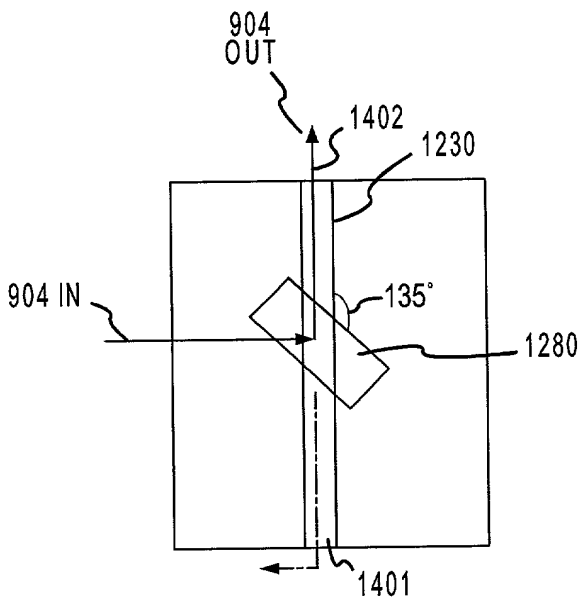


FIG. 15

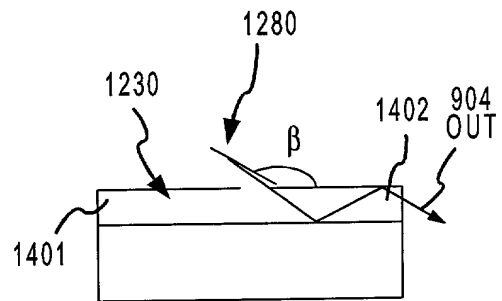


FIG. 15B

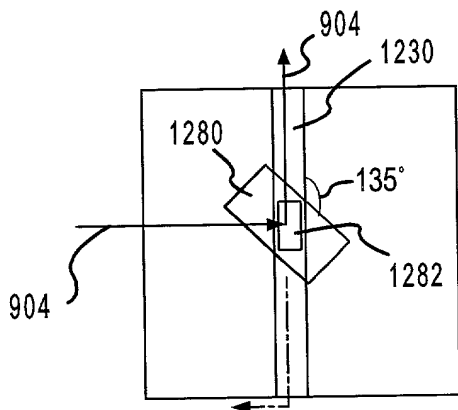


FIG. 16A

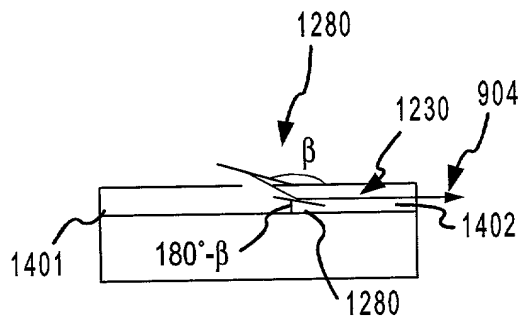


FIG. 16B

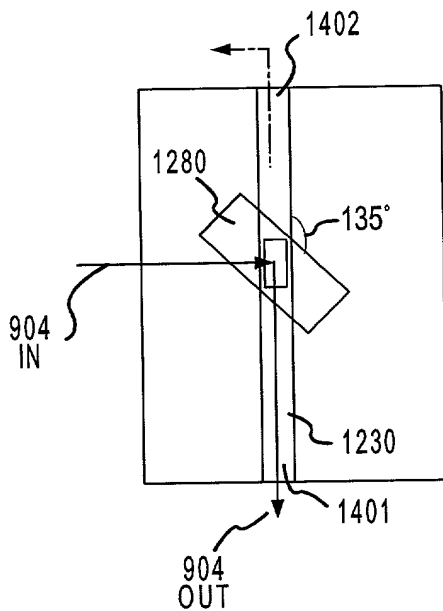


FIG. 17A

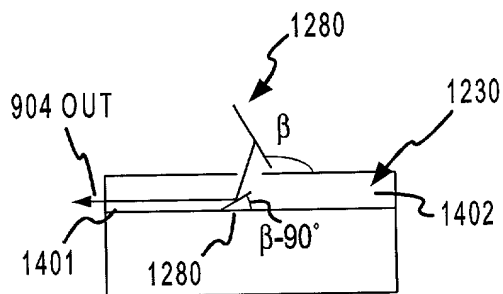


FIG. 17B

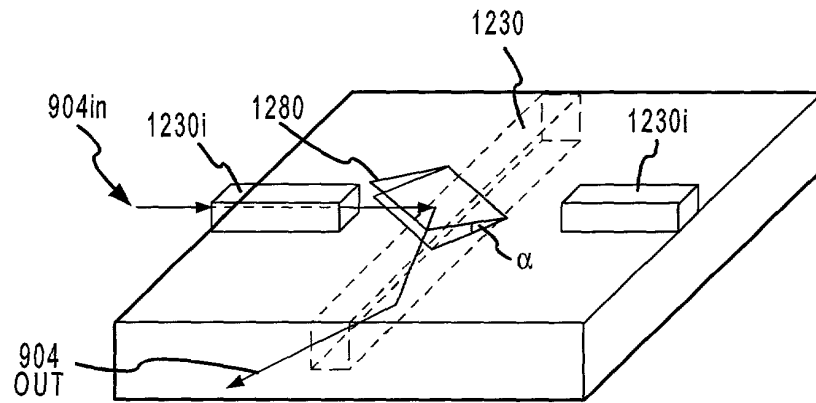


FIG. 18

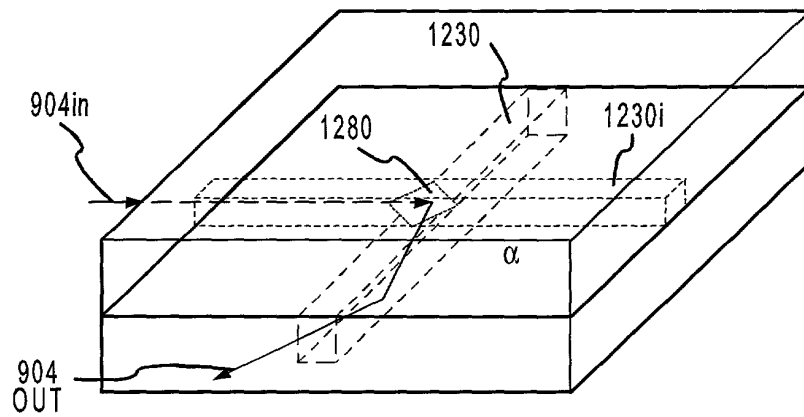


FIG. 19